

REMARKS

Applicant respectfully requests reconsideration of this application. Claims 1-6 are pending. Claims 1-6 have been cancelled without prejudice. Claims 7-20 have been added. Therefore, claims 7-20 are now presented for examination.

Claim Rejection under 35 U.S.C. §102

van der Tujin

The Examiner rejected claims 1-6 under 35 U.S.C. 102 (e) as being anticipated by U.S Patent 6,411,611 of van der Tujin (“van der Tujin”).

The existing claims 1-6 have been cancelled without prejudice, with new claims 7-20 having been added to the application.

For example, claim 7 now reads as follows:

7. A single-chip transceiver comprising:
 - a single RF (radio frequency) combined input/output port in a time-division duplex (TDD) system;
 - a receiver including an amplifier with an impedance transformation network having an input and output terminal, the amplifier input and output terminal being coupled to the RF input/output port;
 - a baseband filter coupled to the amplifier;
 - a demodulator coupled to the baseband filter; and
- a transmitter including a power amplifier with a matched impedance network having an input and output port, the output port of the power amplifier being coupled to the RF input/output port, wherein a synthesizer is coupled to the power amplifier.

In addition to other differences with the cited reference, claim 7 includes a single RF (radio frequency) combined input/output port in a time-division duplex (TDD) system. It is respectively submitted that van der Tujin does not include this element.

As shown in Figure 7, rather than having a combined port or terminal, the system illustrated in van der Tujin includes a transmit receive switch 84 that is coupled with an antenna 56. “Transmit/receive switch 84 is provided to selectively connect one or receiver 82 and transmitter 83 with antenna 56. Control processor 63 and radio signal controller are configured to operate transmit/receive switch using a radio control word.” (van der Tujin, col. 9, lines 55-59)

It is submitted that van der Tujin also fails to provide the elements of the other independent claims for related reasons. For example, claim 13 includes an amplifier, with “the amplifier input terminal interfacing with an external antenna via a combined RF input/output port”. Further, claim 17 including a power amplifier, wherein “the output port of the power amplifier is coupled to a combined RF input/output port, the combined RF input/output port being coupled to an antenna”. It is submitted that, for these and other reasons, claims 13 and 17 are also not shown by van der Tujin.

The remaining claims are dependent claims 8-12, 14-16, and 18-20, and, while having other differences with the cited reference, such claims are allowable as being dependent on the allowable base claim.

Conclusion

Applicant respectfully submits that the rejections have been overcome by the amendment and remark, and that the claims as amended are now in condition for

allowance. Accordingly, Applicant respectfully requests the rejections be withdrawn and the claims as amended be allowed.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (503) 439-8778 if there remains any issue with allowance of the case.

Request for an Extension of Time

The Applicant respectfully petitions for one-month extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a). A check is enclosed for the required fee for such extension of time.

Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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